

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/767061.APP.	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L2	62	(lim-"chae-whan"   kim-"nam-chul"   jang-"ick-hoon"   shin-"ki-taeg").IN.	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L3	52871	samsung- electronics-\$.AS.	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L4	1478	(382/266 382/182  382/185).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/17 11:32
L5	38	L3 and L4	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L6	30	"5,535,013"	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L7	1	"5535013".PN.	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L8	8	("7024039"   "6782135"   "5900910"   "6043823"   "6731820"   "5966183"   "5684544"   "6144767").PN.	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L9	653	(358/462).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/17 11:32
L10	681	(382/176).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/17 11:32
L11	359	(382/195).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/17 11:32
L12	121	(L9 OR L10 OR L11) and binarize	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L13	43	(L9 OR L10 OR L11) and binar\$ and DCT	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L14	397	(358/464).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/17 11:32

L15	296	(382/173 or 358/448).CCLS. AND classif\$ AND edge AND binar\$ AND threshold	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L16	22	(382/173 or 358/448).CCLS. AND classif\$ AND edge AND binar\$ AND threshold and DCT	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L17	22	(382/173 or 358/448).CCLS. AND classif\$ AND edge AND binar\$ AND threshold AND DCT AND block	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L18	703	classif\$ AND edge AND binar\$ AND threshold AND DCT AND block	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L19	419	"382".CLAS. AND classif\$ AND edge AND binar\$ AND threshold AND DCT AND block	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L20	123	"382".CLAS. AND (classif\$ SAME threshold) AND edge AND binar\$ AND DCT AND block AND background	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L21	62	"382".CLAS. AND (classif\$ SAME threshold) AND edge AND binar\$ AND DCT AND block AND background AND (character OR text)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32

L22	62	"382".CLAS. AND (classif\$ SAME threshold) AND edge AND binar\$ AND DCT AND (block OR segment) AND background AND (character OR text)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L23	10	"382".CLAS. AND (classif\$ SAME threshold) AND (edge NEAR enhanc \$) AND binar\$ AND DCT AND (block OR segment) AND background AND (character OR text)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L24	77	"382".CLAS. AND (classif\$ SAME threshold) AND (edge NEAR enhanc \$) AND binar\$ AND (block OR segment) AND background AND (character OR text)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L25	36	"5568571"	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L26	1	"5568571".PN.	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L27	4	"382".CLAS. AND image near area near discrimination near apparatus	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L28	193	"382".CLAS. AND image SAME area SAME discrimination SAME apparatus	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L29	64	"382".CLAS. AND image SAME area SAME discrimination SAME apparatus and binariz\$	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32

L30	6	("5016118"   "5018024"   "5101280"   "5101438"   "5162923"   "5177795").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/17 11:32
L31	27	("5535013").URPN.	USPAT	OR	ON	2009/02/17 11:32
L32	13	"382".CLAS. AND ((classif\$ or discrimin\$) SAME threshold) AND (edge NEAR enhanc \$) AND binar\$ AND DCT AND (block OR segment) AND background AND (character OR text)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L33	16	"382".CLAS. AND ((classif\$ or discrimin\$) SAME threshold) AND (edge NEAR (enhanc\$ OR filter)) AND binar\$ AND DCT AND (block OR segment) AND background AND (character OR text)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L34	16	"382".CLAS. AND ((classif\$ or discrimin\$) SAME threshold) AND (edge NEAR (enhanc\$ OR filter)) AND (binar\$ OR monochrom\$) AND DCT AND (block OR segment) AND background AND (character OR text)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L35	28938	xerox.as.	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L36	37	xerox.as. and wu- jingge.XP.	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32

L37	169	mixed adj raster and threshold	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L38	102	"382".CLAS. and L37	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L39	71	mixed adj raster and threshold and segment	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L40	60	"382".CLAS. and L39	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L41	27	L40 and background and (character or text) and (bilevel or bi adj level or binary) and edge near2 enhance\$4	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L42	54	mixed adj raster and (block or area or region) near2 (character or text) and edge	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L43	43	"382".CLAS. and L42	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L44	341	edge adj enhance \$4 same (bi adj level or binar\$3)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L45	201	L44 and (text or character)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L46	83	"382".CLAS. and L45	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L47	27	("3701095"   "3973239"   "4005385").PN. OR ("4074231").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/17 11:32
L48	652	block and grow and merge and (text or character) and classify	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L49	40	"382".CLAS. and L48	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32

L50	138	(classify or classification) with threshold and pixel with background and (text or character) with (region or area or block)	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L51	109	"382".CLAS. and L50	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L52	10	edge adj enhance \$4 and denormalize \$1	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L53	157	normalize and denormalize	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L54	68	normalize and (denormalize or de adj normalize) and pixel	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L55	17	"382".CLAS. and L54	US-PGPUB; USPAT	OR	ON	2009/02/17 11:32
L56	27	threshold\$3 with distinguish\$4 with character\$1 with background	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/17 11:54
L57	88	edge near2 enhanc \$6 with binariz\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/17 12:03
L58	1	"5212741".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/17 12:10
L59	26	("5212741").URPN.	USPAT	OR	OFF	2009/02/17 12:10
L60	29	edge near2 enhanc \$6 with binariz\$6 same character\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/17 13:00
L61	5	edge near2 enhanc \$6 with binariz\$6 same character\$1 same block\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/17 13:00
L62	1518	382/254.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/17 13:27
L63	1022	382/266.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/17 13:27

**2/ 17/ 09 1:27:51 PM**

**C:\ Documents and Settings\ jstrege\ My Documents\ EAST\ Workspaces\ 10767061.  
wsp**